

## CLAIMS

- 1    1. A method of reporting availability of a plurality of servers, said method comprising  
2    the steps of:  
3    for each of said plurality of servers, periodically searching a log file for indication of a  
4    crash or shutdown or start;  
5    computing the time said crash or shutdown or start occurred;  
6    sending said time and indication as an e-mail to a database on a server;  
7    calculating the duration of downtime for each said crash or said shutdown;  
8    for each server, sorting said e-mail by order received; and  
9    displaying for each of said plurality of servers, said duration of downtime in said  
10   order.
  
- 1    2. A method according to Claim 1, wherein:  
2    the sending step includes the step of sending said e-mail to a database on a pre-  
3    identified one server; and  
4    the sorting step includes the step of sorting said e-mail by order received by said pre-  
5    identified one server.
  
- 1    3. A method according to Claim 1, wherein:  
2    each of the plurality of servers includes an e-mail function; and  
3    the sending step includes the step of, each server using its e-mail function to send the  
4    time and indication to said database.
  
- 1    4. A method according to claim 1, wherein:  
2    the sending step includes the step of sending said e-mail to a database on a pre-  
3    identified one server; and  
4    the displaying step includes the step of, said one server, issuing a report showing said  
5    durations of downtimes.

1       5. A method according to Claim 1, wherein:

2       the searching step includes the step of, each of said plurality of servers, searching a log

3       file on said each server for said indication; and

4       the computing step includes the step of each of said plurality of servers computing the

5       time said crash or shutdown or start of said each server occurred.

1       6. A system for reporting availability of a plurality of servers, said method

2       comprising:

3       means for periodically searching, for each of said plurality of servers, a log file for

4       indication of a crash or shutdown or start;

5       means for computing the time said crash or shutdown or start occurred;

1       means for sending said time and indication as an e-mail to a database on a server;

2       means for calculating the duration of downtime for each said crash or said shutdown;

3       means for sorting, for each server, said e-mail by order received; and

4       a display means for displaying for each of said plurality of servers, said duration of

5       downtime in said order.

1       7. A system according to Claim 6, wherein:

2       the sending means includes means for sending said e-mail to a database on a pre-

3       identified one server; and

4       the sorting means includes means for sorting said e-mail by order received by said pre-

5       identified one server.

1       8. A system according to Claim 6, wherein:

2       each of the plurality of servers includes an e-mail function; and

3       each server using its e-mail function to send the time and indication to said database.

1       9. A system according to claim 6, wherein:

2       said e-mail is sent to a database on a pre-identified one server; and

3 said one server includes means for issuing a report showing said durations of  
4 downtimes.

1 10. A system according to Claim 6, wherein:  
2 the searching means includes means, on each of said plurality of servers, for searching  
3 a log file on said each server for said indication; and  
4 the computing means includes means on each of said plurality of servers, for  
5 computing the time said crash or shutdown or start of said each server occurred.

1 11. A program storage device readable by machine, tangibly embodying a program of  
2 instructions executable by the machine to perform method steps for reporting  
3 availability of a plurality of servers, said method steps comprising:  
4 for each of said plurality of servers, periodically searching a log file for indication of a  
5 crash or shutdown or start;  
6 computing the time said crash or shutdown or start occurred;  
7 sending said time and indication as an e-mail to a database on a server;  
8 calculating the duration of downtime for each said crash or said shutdown;  
9 for each server, sorting said e-mail by order received; and  
10 displaying for each of said plurality of servers, said duration of downtime in said  
11 order.

1 12. A program storage device according to Claim 11, wherein:  
2 the sending step includes the step of sending said e-mail to a database on a pre-  
3 identified one server; and  
4 the sorting step includes the step of sorting said e-mail by order received by said pre-  
5 identified one server.

1 13. A program storage device according to Claim 11, wherein:  
2 each of the plurality of servers includes an e-mail function; and

3 the sending step includes the step of, each server using its e-mail function to send the  
4 time and induction to said database.

1 14. A program storage device according to claim 11, wherein:  
2 the sending step includes the step of sending said e-mail to a database on a pre-  
3 identified one server; and  
4 the displaying step includes the step of, said one server, issuing a report showing said  
5 durations of downtimes.

1 15. A program storage device according to Claim 11, wherein:  
2 the searching step includes the step of, each of said plurality of servers, searching a log  
3 file on said each server for said indication; and  
4 the computing step includes the step of each of said plurality of servers computing the  
5 time said crash or shutdown or start of said each server occurred.

1 16. A method of reporting availability of a plurality of servers, said method  
2 comprising the steps of:  
3 for each of said plurality of servers, periodically searching a log file for an indication  
4 of the occurrence of each of a group of defined conditions for the server;  
5 computing the time of occurrence of the group of defined conditions;  
6 sending said time and said indication, as electronic mail, to a database on a reporter  
7 server;  
8 for each of a subset of the group of defined conditions, calculating the duration of time  
9 the server is in each of said subset of conditions;  
10 for each server, sorting the electronic mail by order received by the reporter server;  
11 and  
12 for each of the plurality of servers, displaying in said order, the duration of time the  
13 server is on said subset of conditions.

1    17. A method according to Claim 16, wherein the group of conditions includes a crash  
2    of the server, a shutdown of the server, and a start of the server.

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